CLAIMS

A near-infrared absorbent green glass composition comprising, in mass

65 to 80% SiO₂,

5 0 to $5\% B_2O_3$,

0 to 5% Al₂O₃,

0 to 10% MgO,

5 to 15% CaO,

10 to 18% Na₂O,

10 0 to $5\% \text{ K}_2\text{O}$,

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0 to 2% TiO₂,

0.05 to 0.5% SO₃,

0.6 to 1.3% T·Fe₂O₃ which means a total iron oxide amount in terms of Fe₂O₃,

15 0 to 2.0% CeO₂ and, in mass ppm,

300 ppm or less MnO,

wherein a total content of MgO and CaO is from 5 to 20 mass %,

a total content of Na₂O and K₂O is from 10 to 20 mass %,

a FeO ratio represented by a mass ratio of FeO converted into Fe₂O₃ relative

to said T-Fe₂O₃ is from 0.21 to 0.35, and

at least one of the following a) and b) is satisfied:

- a) when the near-infrared absorbent green glass composition is formed to have a thickness in the range of 1.3 to 2.4 mm, a visible light transmittance measured by using CIE illuminant A is at least 80%, a total solar energy transmittance is 62% or less, a dominant wavelength measured by using CIE illuminant C is from 500 to 540 nm, and an integrated value obtained by integrating transmittances of every 1 nm in the wavelength from 1100 to 2200 nm is 62000 or less;
- b) when the near-infrared absorbent green glass composition is formed to have a thickness in the range of 3 to 5 mm, a visible light transmittance measured by using CIE illuminant A is at least 70%, a total solar energy transmittance is 45% or less, a dominant wavelength measured by using CIE illuminant C is from 495 to 540 nm, and an integrated value obtained by integrating transmittances of every 1 nm in the wavelength from 1100 to 2200 nm is 62000 or less.
 - 2. The near-infrared absorbent green glass composition according to claim

1, wherein said FeO ratio is from 0.26 to 0.35.

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- 3. The near-infrared absorbent green glass composition according to claim 1, wherein the content of said T-Fe₂O₃ is from 0.60 to 0.77 mass % and the content of CeO₂ is from 0.55 to 2.0 mass %.
 - 4. The near-infrared absorbent green glass composition according to claim 2, wherein the content of CeO_2 is from 0.1 to 2.0 mass % and said FeO ratio is more than 0.275 and not more than 0.35.
- 5. The near-infrared absorbent green glass composition according to claim 1, wherein the content of CeO₂ is from 0.1 to 1.4 mass %.
- 6. The near-infrared absorbent green glass composition according to claim 2, wherein said FeO ratio is more than 0.29 and not more than 0.35.
 - 7. The near-infrared absorbent green glass composition according to claim 1, wherein the content of CeO₂ is from 0.65 to 2.0 mass %.
- 20 8. The near-infrared absorbent green glass composition according to claim 2, wherein the content of said T-Fe₂O₃ is from 0.70 to 0.77 mass %, said FeO ratio is from 0.275 to 0.35, and the content of CeO₂ is from 0.65 to 1.4 mass %.
- 9. The near-infrared absorbent green glass composition according to claim 8, which is formed to have a thickness in the range of 2.1 to 2.4 mm.
 - 10. The near-infrared absorbent green glass composition according to claim 2, wherein the content of said T-Fe₂O₃ is from 0.78 to 0.90 mass %, said FeO ratio is from 0.265 to 0.30, and the content of CeO₂ is from 0.65 to 0.90 mass %.
 - 11. The near-infrared absorbent green glass composition according to claim 10, which is formed to have a thickness in the range of 2.0 to 2.2 mm.
 - 12. The near-infrared absorbent green glass composition according to claim 2, wherein the content of said T-Fe₂O₃ is from 0.77 to 0.80 mass % and

said FeO ratio is from 0.30 to 0.35.

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- 13. The near-infrared absorbent green glass composition according to claim 12, which is formed to have a thickness in the range of 2.0 to 2.2 mm.
- 14. The near-infrared absorbent green glass composition according to claim 1, wherein said $T\text{-}Fe_2O_3$ is more than 0.90 mass % and not more than 0.98 mass %, said FeO ratio is from 0.21 to 0.28, and the content of CeO₂ is 0.50 mass % or more.

15. The near-infrared absorbent green glass composition according to claim 14, which is formed to have a thickness in the range of 1.7 to 1.9 mm.

- 16. The near-infrared absorbent green glass composition according to claim 2, wherein the content of said T-Fe₂O₃ is from 0.98 to 1.3 mass % and said FeO ratio is from 0.275 to 0.35.
 - 17. The near-infrared absorbent green glass composition according to claim 16, which is formed to have a thickness in the range of 1.3 to 1.8 mm.
 - 18. The near-infrared absorbent green glass composition according to claim 1, wherein the content of MnO is from 30 to 300 mass ppm.
- 19. The near-infrared absorbent green glass composition according to claim 1, wherein in at least one of said a) and said b), an ultraviolet transmittance is 42% or less.
 - 20. The near-infrared absorbent green glass composition according to claim 19, wherein the ultraviolet transmittance is 40% or less a') when the near-infrared absorbent green glass composition is formed to have a thickness in the range of 1.3 to 2.0 mm.
 - 21. The near-infrared absorbent green glass composition according to claim 2, which is formed to have a thickness t (mm) of in the range of 1.3 to 2.4 mm and wherein TFe (mass %) which is the content of said T·Fe₂O₃ falls within the range expressed by the following equation
 - $1.8 \cdot 0.5t \le TFe \le 1.9 \cdot 0.5t$

and said FeO ratio is from 0.275 to 0.35.

22. The near-infrared green glass composition according to claim 21, wherein TCe (mass %) which is the content of CeO₂ is 0 or more, and falls within the range expressed by the following equation.

 $t-1.8 \le TCe \le t-0.8$

- 23. A laminated glass formed by laminating at least two glass sheets through a thermoplastic resin layer, wherein at least one of said glass sheets comprises the near-infrared green glass composition according to claim 1.
- 24. The laminated glass according to claim 23, wherein at least two of the said glass sheets comprise the near-infrared absorbent green glass composition according to claim 1.
- 25. The laminated glass according to claim 23, wherein a visible light transmittance measured by using CIE illuminant A is 70% or more and a total solar energy transmittance is 45% or less.

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- 26. The laminated glass according to claim 25, wherein a ratio of said total solar energy transmittance relative to said visible light transmittance is 0.60 or less.
- 25 27. The laminated glass according to claim 23, wherein a transmittance at the wavelength of 1550 nm is 37% or less.
 - 28. The laminated glass according to claim 23, wherein an integrated value obtained by integrating transmittances of every 1 nm in the wavelength from 1100 to 2200 nm is 34000 or less.
 - 29. The laminated glass according to claim 23, wherein a transmittance for thermal feeling is 44% or less.